CW#36: Circle Stations

Geometry

November 2nd, 2015

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP:\_\_\_\_\_

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| You will be able to solve for an unknown measure of a circle given the area or circumference of a circle in terms of *pi.* | |
| Criteria for Success: Check List  Did you:   * Choose the correct formula to use. * Input the given value for the correct unknown. * Solve for radius. * Arrive at an answer that does not include the symbol for *pi* (π) * Include units. * Examine your answer: Does it make sense? Does it answer the question? | |
| 1. The area of a circle is 144π mi2. Find the radius of the circle.   Radius = \_\_\_\_\_\_\_\_\_\_\_ | 1. The circumference of a circle is 12π km. Find the radius of the circle.   Diameter = \_\_\_\_\_\_\_\_\_ |
| Criteria for Success: Check List  Did you:   * Choose the correct formula to use. * Input the given value for the correct unknown. * Solve for diameter. * Arrive at an answer that does not include the symbol for *pi* (π) * Include units. | |
| 1. The area of a circle is 25π in2 . Find the diameter of the circle.   Diameter = \_\_\_\_\_\_\_\_ | 1. The circumference of a circle is 20π mi. Find the diameter of the circle.   Diameter = \_\_\_\_\_\_\_\_\_ |
| Continued Practice: Answer the follow problems in your notebook. | |
| Find the radius of each circle.   1. Area = 16π in2 2. Area = 100π m2   Find the diameter of each circle.   1. Area = 49π cm2 2. Area = 4π km2 | Find the radius of each circle.   1. Circumference = 20π in 2. Circumference = 12π cm   Find the diameter of each circle,   1. Circumference = 6π km 2. Circumference = 22π yd. |

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| You will be able to solve for an unknown measure of a circle given the area or circumference of a circle. | |
| Criteria for Success: Check List  Did you:   * Choose the correct formula to use. * Input the given value for the correct unknown. * Solve for radius. * Arrive at an answer that does not include the symbol for *pi* (π) * Round your answer to the nearest tenth, * Includes units. * Examine your answer: Does it make sense? Does it answer the question? | |
| 1. The area of a circle is 43 in2. Find the radius. Use your calculator’s value of π. Round your answer to the nearest tenth.   Radius = \_\_\_\_\_\_\_\_\_\_\_ | 1. The circumference of a circle is 50.3 in. Find the radius of the circle. Use your calculator’s value of π. Round your answer to the nearest tenth.   Radius = \_\_\_\_\_\_\_\_\_\_\_ |
| Criteria for Success: Check List  Did you:   * Choose the correct formula to use. * Input the given value for the correct unknown. * Solve for diameter. * Arrive at an answer that does not include the symbol for *pi* (π) * Round your answer to the nearest tenth, * Includes units. | |
| 1. The area of a circle is 15.2 mi2. Find the radius. Use your calculator’s value of π. Round your answer to the nearest tenth.   Diameter = \_\_\_\_\_\_\_\_\_ | 1. The circumference of a circle is 82.8 yd. Find the diameter of the circle. Use your calculator’s value of π and round your answer to the nearest tenth.   Diameter = \_\_\_\_\_\_\_\_\_ |
| Continued Practice: Answer the following problems in your notebook. | |
| Find the radius of each circle.   1. Area = 30.2 in2 2. Area = 113.1 mi2   Find the diameter of each circle.   1. Area = 201.1 m2 2. Area= 50.3 mi2 | Find the radius of each circle.   1. Circumference = 25.1 yd 2. Circumference = 37.7 yd   Find the diameter of each circle.   1. Circumference = 66 ft 2. Circumference = 57.2 cm |